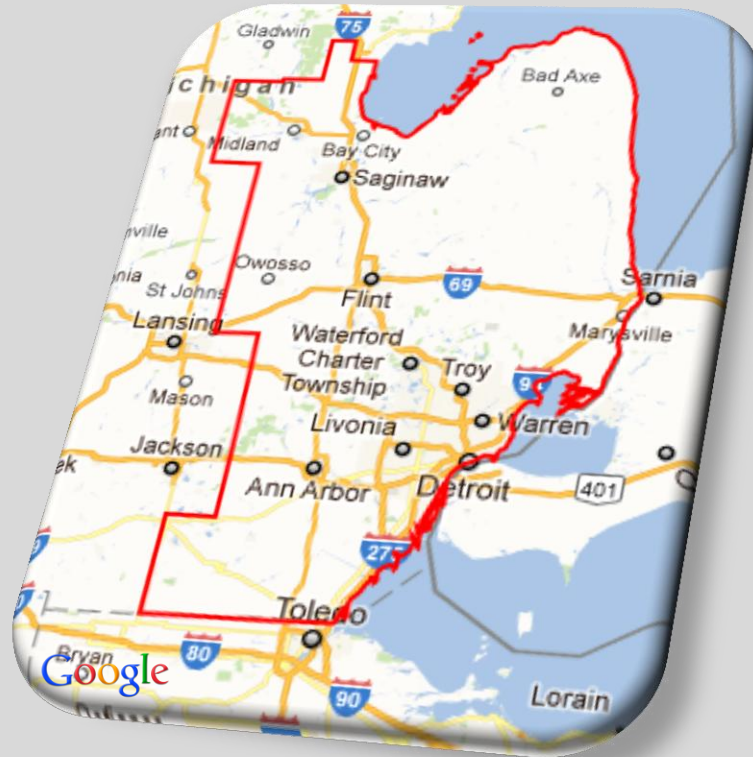




Weather Briefing

February 25, 2013



National Weather Service
Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



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Decision Support Briefing Highlights



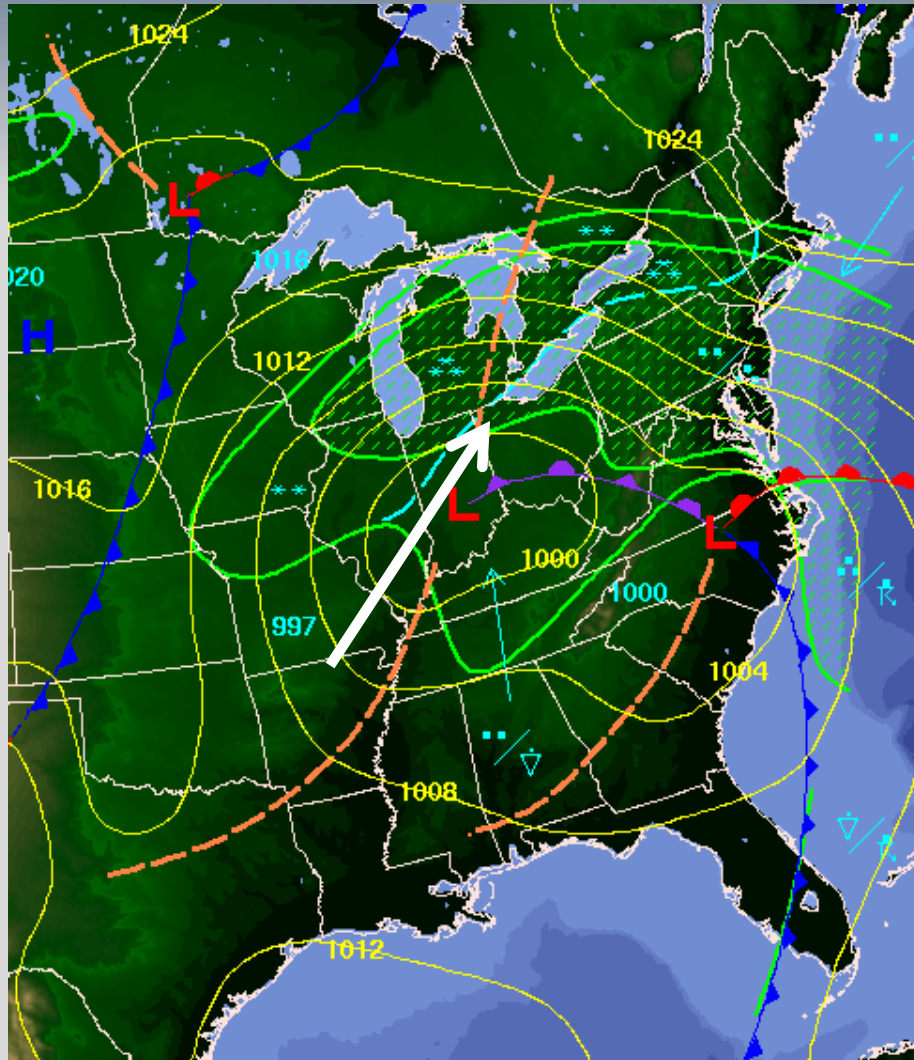
Event Summary

Winter Storm Watch

Starting at 12 PM (Tuesday) for
Lenawee, Monroe, Washtenaw,
Wayne, Macomb, Oakland, Livingston
Counties & 4 PM (Tuesday) for
remaining counties through 6 AM
(Wednesday)

6+ inches of snow possible

Snow, possibly mixed with rain
initially, will move into Southern MI
Tuesday afternoon & spread north



Forecast for Tuesday



Winter Watch Hazard Risk Assessment



Extreme

High

Moderate

Low



**This Potential Event is a
Common to Rare
Weather Event**

**Potential to Cause Disruption to
Daily Life**

Recovery Time

**Around When Weather Hazard
Ends to a Couple of Days**

Extreme:

- Historic Weather Hazard/Event
- Life Threatening
- Total disruption of daily life
- Recovery Time: days to one week

High:

- Rare Weather Hazard/Event
- Potentially Life Threatening
- Widespread disruption of daily life
- Recovery Time: hours to a couple days

Moderate:

- Common Weather Hazard/Event
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: +/- 6 hrs of when weather ends



Potential Impacts



Road Conditions	<ul style="list-style-type: none">Roads covered with heavy wet snow will result in poor traction
Additional Potential Impacts	<ul style="list-style-type: none">Power Outages due to heavy wet snow possibleLow visibility due to high snowfall rates

Power Outage Potential	High	Medium 	Low
Blowing/Drifting Potential	High	Medium	Low 



Timing of Winter Weather



Beginning

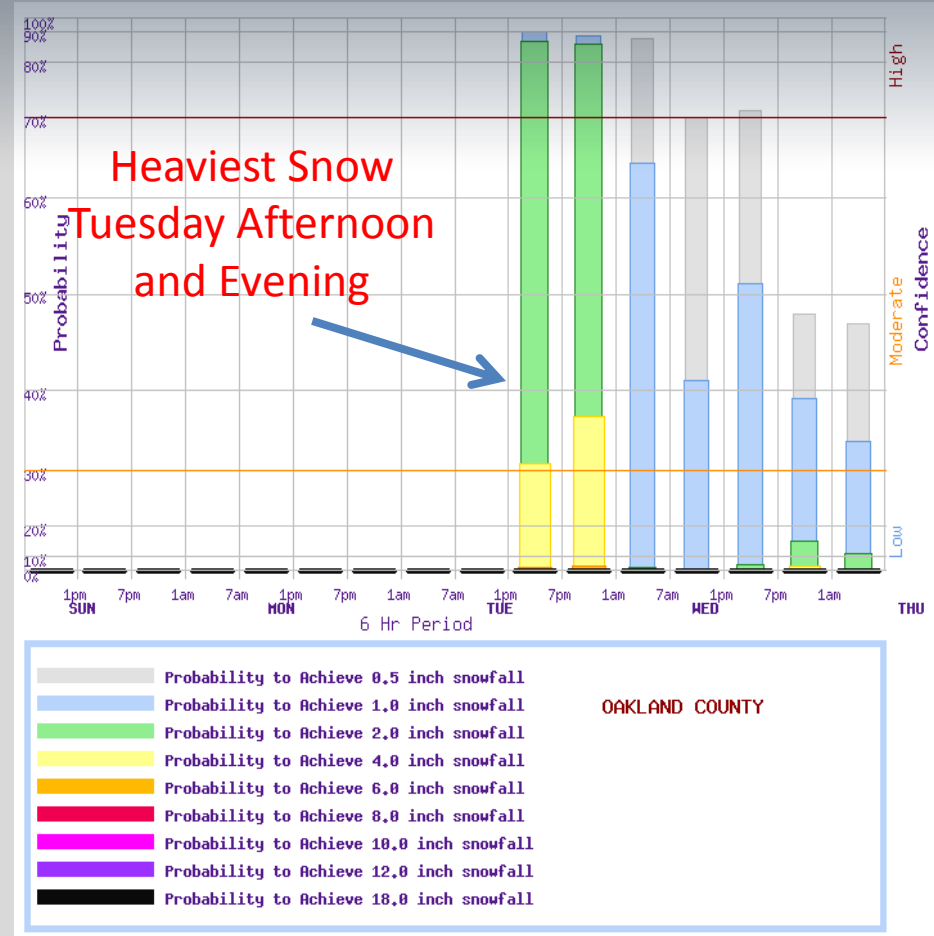
- Snow expands from south to north through the afternoon on Tuesday

Heaviest

- The heaviest snow late Tuesday afternoon into the evening

Ending

- Snowfall will decrease in intensity Wednesday morning



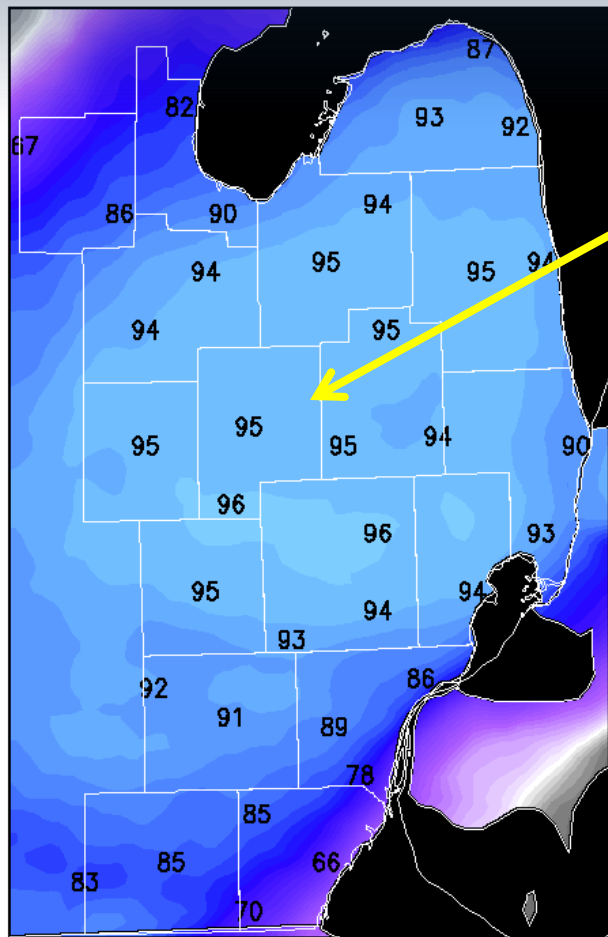
6 Hourly Snowfall



Snowfall Confidence Storm Total



Storm PSnow (%) thru 02/27/2013 06EST



Prob to Achieve 4 in (%)

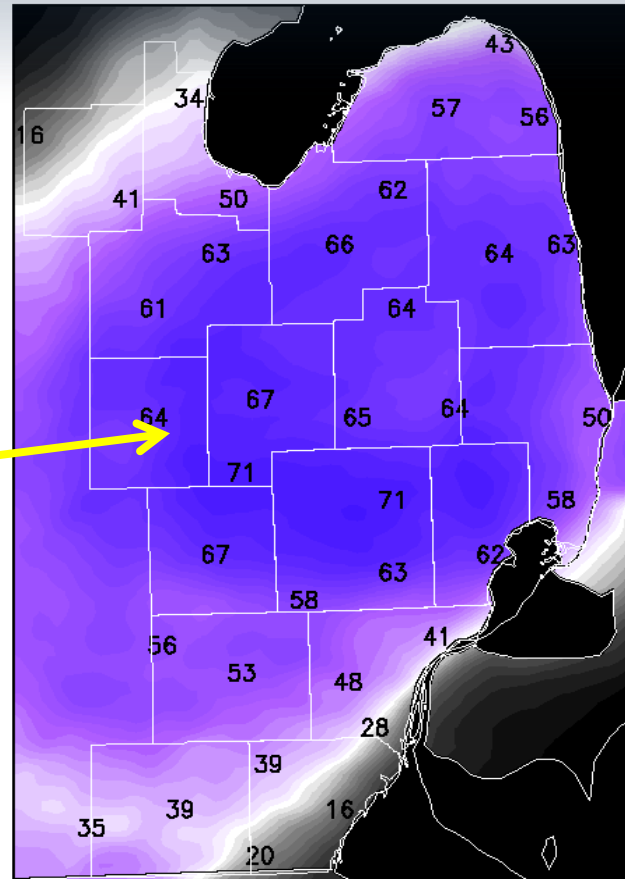
2 18 30 44 58 72 88

AREA View

High confidence
snowfall totals will
exceed 4 inches.

Moderate
confidence snowfall
totals will exceed 6
inches

Storm PSnow (%) thru 02/27/2013 06EST



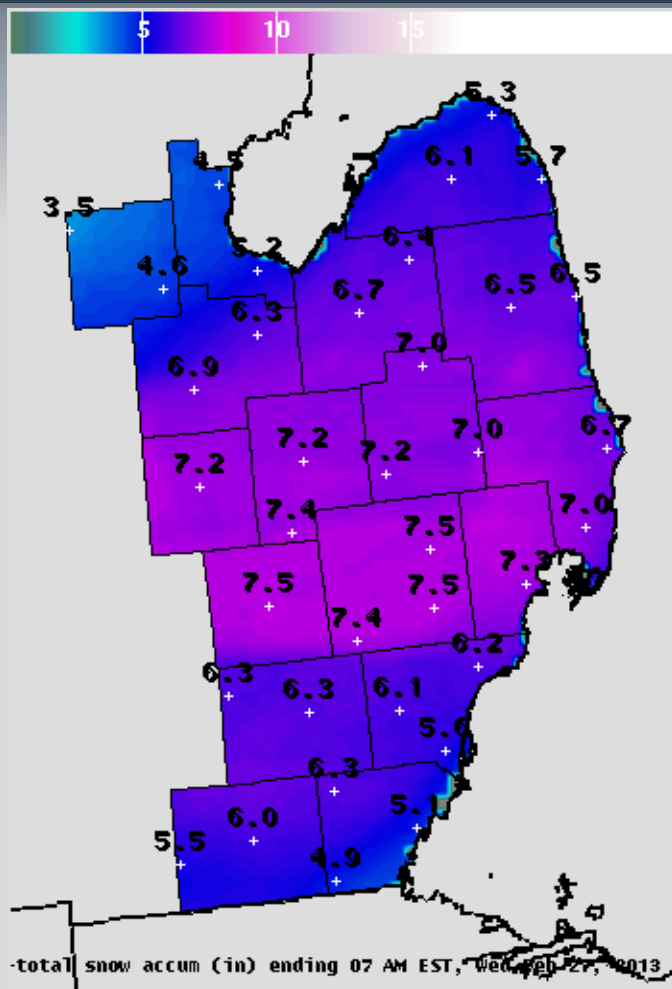
Prob to Achieve 6 in (%)

2 18 30 44 58 72 88



Storm Total Snowfall

Tuesday Through Wednesday Morning



Total Snow Accumulation

- Potential for 6 or more inches: Most of Southeast Michigan

Type of Snow

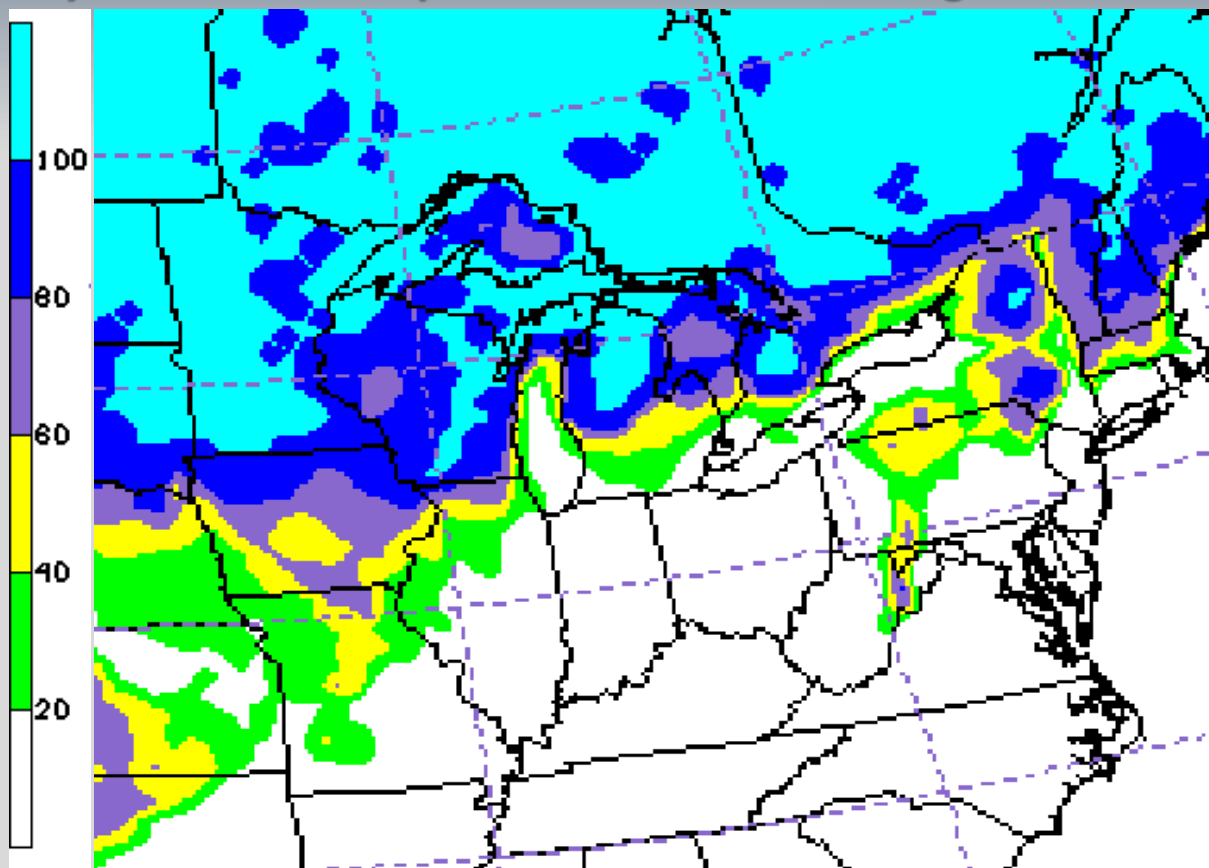
Heavy and Wet
Snow Ratios of 7:1 to 10:1

Snow Total Through 7 AM Wednesday
(in inches)



Forecast Challenges

Probability of surface temperatures below freezing on Tuesday afternoon



Sub-freezing surface temperatures are not a necessity for snow, but in this case the thermal structure is borderline and potential exists for some areas to see some change over to rain, especially south of Interstate 96. This would potentially cut down on snowfall accumulations.



Additional Information



Local Hazards Page

<http://www.weather.gov/detroit/svr.php>

Great Lakes Marine Portal

<http://www.weather.gov/greatlakes>

Hourly Wind Probabilities

<http://www.crh.noaa.gov/dtx/?n=pwind>

Hourly Snowfall Probabilities

<http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities>

NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



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